

ORIGINAL TO GENERAL FILES

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

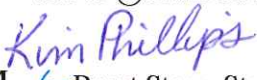
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## OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

**FILE** P.I. # 0007040  
CSBRG-0007-00(040)  
Lincoln and McDuffie Counties  
GDOT District 2 - Tennille  
SR 43 @ Little River Bridge Replacement

**OFFICE** Design Policy & Support

**DATE** December 6, 2012

**FROM**  *Kim Phillips*  
*for* Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

**DISTRIBUTION:**

Bobby Hilliard, Program Control Administrator  
Genetha Rice-Singleton, State Program Delivery Engineer  
Glenn Bowman, State Environmental Administrator  
Ben Rabun, State Bridge Engineer  
Andy Casey, State Roadway Design Engineer  
Kathy Zahul, State Traffic Engineer  
Phil Copeland, State Right-of-Way Administrator  
Lisa Myers, State Project Review Engineer  
Cindy VanDyke, State Transportation Planning Administrator  
Ken Thompson, Location Bureau Chief  
Angela Robinson, Financial Management Administrator  
Jimmy Smith, District Engineer  
Neal O'Brien, District Preconstruction Engineer  
Jaime Lindsey, District Design Engineer  
Vonda Everett, District Planning & Programming Engineer  
Rodney Way, Area Engineer - D2, A4  
Clinton Ford, Project Manager  
BOARD MEMBER - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** CSBRG- 0007-00(040), Lincoln/ McDuffie County      **OFFICE:** Program Delivery  
P.I. No. 0007040  
SR 43 @ Little River      **DATE:** August 23, 2012

**FROM**   
Genetha Rice-Singleton, Office of Program Delivery

**TO** Brent Story, Office of Design Policy and Support  
Attn: Dave Peters

**SUBJECT** Request for Location Design and Approval

**Description and Project Proposal:** The project consists of the replacement of the structurally deficient bridge on SR 43 located at the Lincoln/McDuffie County line over Little River. The bridge is located approximately 9 miles northeast of the City of Thomson in McDuffie County. The length of project will be 0.65 miles and will begin at McDuffie County MP 7.00 and end at Lincoln County MP 0.28. SR 43 will be realigned approximately 50-ft. to the west of the existing alignment of SR 43 and the new bridge constructed. Traffic will be maintained on the existing alignment during construction. Once the new bridge and roadway are constructed, traffic will be diverted and the old roadbed and bridge removed.

**Concept Approval Date:** September 12, 2011

**Concept Update:** N/A

**Environmental Assessment and Reassessment Approval Date:** 11-25-2012

**Public Involvement:**

- A PIOH was held on October 11, 2011 at the Lincoln Center 160 May Ave, Lincolnton, GA 30817.
- A total of 7 people attended the PIOH, including public officials. No comments were received resulting in 0 opposed, 2 supporting, 1 uncommitted, and 0 conditional support.

**Consistency with Approved Planning:**

The design description as presented herein and submitted for approval is consistent with the approved concept report.

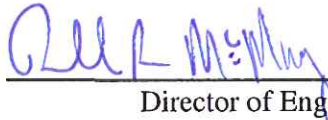
CSBRG-0007-00(040), Lincoln/ McDuffie County


PI No. 0007040

Date: August 23, 2012

Page 2

**Recommendations:** Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND:   
Director of Engineering

APPROVE:  9/18/2012  
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: 12-6-2012

Attachments:

- Sketch Map
- Cost Estimate
- Green sheet
- Notice of Location and Design Approval

# NOTICE OF LOCATION AND DESIGN APPROVAL

***CSBRG-0007-00(040) Lincoln, McDuffie County***  
***P. I. NUMBER 0007040***

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is *December 6, 2012*

This project is located in Lincoln & McDuffie County within and near the City of Lincolnton.

The project consists of the replacement of the structurally deficient bridge on SR 43 located at the Lincoln/McDuffie County line over Little River. The bridge is located approximately 9 miles northeast of the City of Thomson in McDuffie County. The length of project will be 0.65 miles and will begin at McDuffie County MP 7.00 and end at Lincoln County MP 0.28. SR 43 will be realigned approximately 50-ft. to the west of the existing alignment of SR 43 and the new bridge constructed. Traffic will be maintained on the existing alignment during construction. Once the new bridge and roadway are constructed, traffic will be diverted and the old roadbed and bridge removed.

Drawings, maps, or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

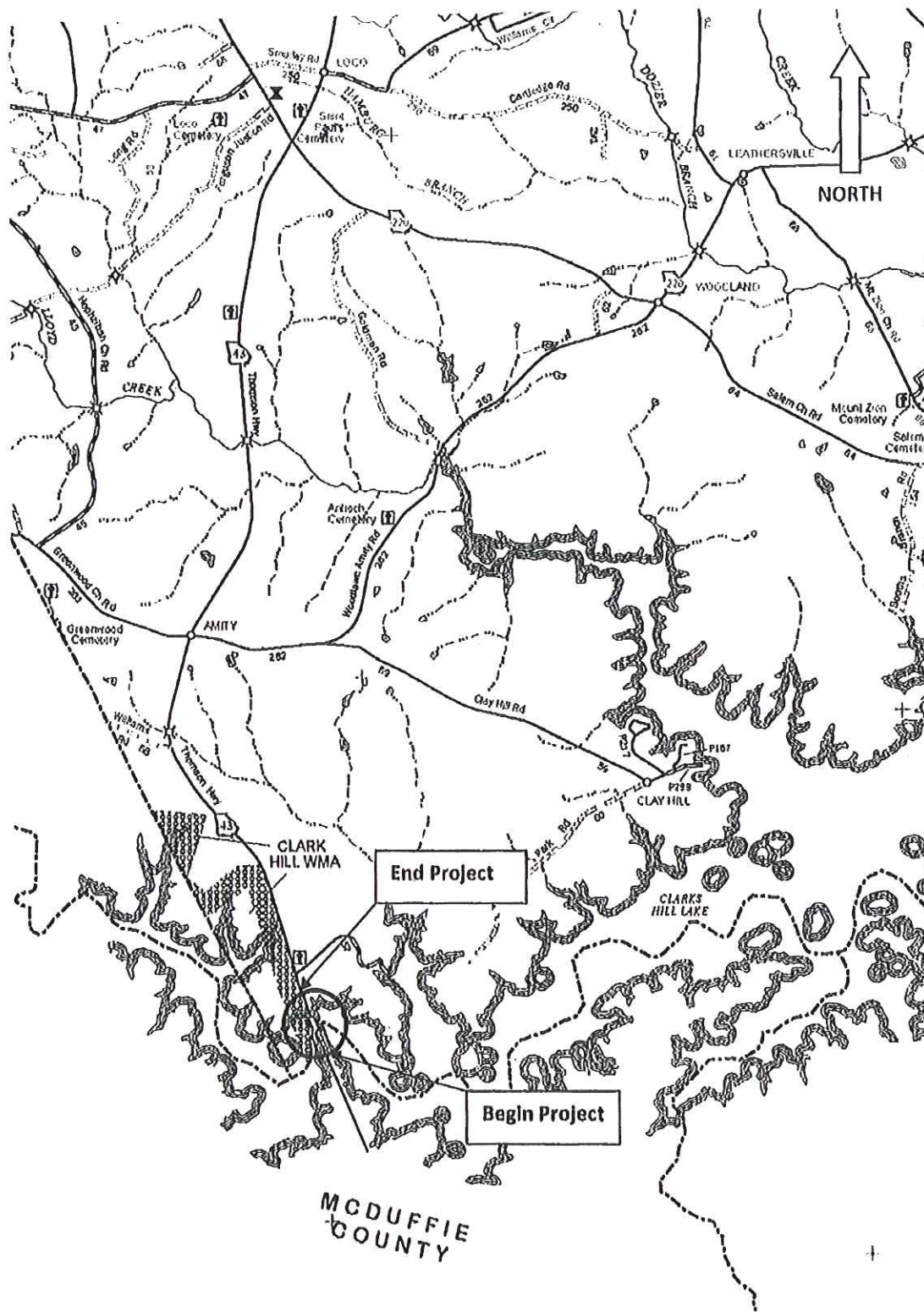
Rodney Way, Area Engineer  
[rway@dot.ga.gov](mailto:rway@dot.ga.gov)  
4260 Frontage Road  
Augusta, GA 30909  
(706) 855-3466

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Mrs. Genetha Rice-Singleton, State Program Delivery Engineer  
Office of Program Delivery  
[grice-singleton@dot.ga.gov](mailto:grice-singleton@dot.ga.gov)  
One Georgia Center  
600 West Peachtree Street  
Atlanta, Georgia 30308  
(404) 631- 1522

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.





# ENVIRONMENTAL COMMITMENTS TABLE

PH#: 0007040 | Counties: Lincoln and McDuffie | Date Updated: 09.13.2012 | Stage: CE Approval  
Transmittal Date for Plans Reviewed by OES: Plans Not Available

Review

☒ These commitments are feasible  
(must be checked at all stages)  
GDOT Project Manager *[Signature]*

☒ Plans incorporate the commitments.  
(must be checked to certify for letting)  
Engineer of Record (EOR) *[Signature]*

Air/Noise *AC 9/13/12* Arch *CG 9/17/12*  
Eco *MG/LB 9/12/12* Hist *MK 9/13/12*  
NEPA *SP 9/16/12*

PM Signature/Date *Clinton B. Fectch 9/21/12*

EOR Signature/Date *Foster G. Innes 9/24/12*

## A. Resources to be Delineated on the Plans and/or Listed in the Environmental Resource Impact Table (ERIT)

Resource Name	Additional Information	Refer to	Name and Date of Report or Transmittal	Correctly Shown?
A-1 Resource 1	No impact	C-1	Boundary Transmittal 08.28.2012	Plan Sheet No No
A-2 Resource 2				No No
A-3 Open Water (OW) 1 - Little River	2.47 ac impacts	D-2 and D-3	Ecology SR and AOE 05.03.2012	No No
A-4 OW 1 Buffer	3.49 ac impacts	D-4 and D-5		No No
A-5 Migratory Birds		B-1		Not req'd No

## B. Special Provisions (Attach all special provisions to the commitments table, if available)

Special Provision	Purpose	Est. Cost	SP's Latest Date
B-1 SP 107.23.G	For the protection of migratory birds	Negligible	04.2012

## C. Plan Notes and Design Features (Description: For plan notes, provide exact wording in "quotes" and approximate location)

Purpose	Description	Est. Cost	Correctly Shown?
C-1 Protect Resources	Include the following note in the ERT for the affected resources: "The contractor shall ensure that no additional construction activities including the use of easements, staging, construction trailer placement, construction, vehicle use, borrow or waste activities take place inside this ESA."	Negligible	No

## D. Necessary Permits, Buffer Variances and Mitigation Credits

Permit, Variance, etc	Additional Information (permit details, number of credits needed, etc...)	Est. Cost	Acquired?
D-1 Notice of Intent (NOI) for NPDES	The Office of Bidding Administration and Construction Contractor will submit a NOI to the NPDES General Permit following award of the contract but prior to construction.	Negligible	Will be acquired following letting
D-2 404 RP			No
D-3 Wetland Credits	17.5 wetland credits	\$280,000	No
D-4 Buffer Variance		Negligible	No
D-5 Buffer Mitigation Credits	17,428.8 buffer credits	\$1.5 mil	No

## E. Other Commitments or Requirements (Status: Pre- and Post - Complete or Incomplete; During - Signature Req'd)

Pre-, During, or Post	Commitment	Responsible party	Est. Cost	Status
NONE				
			Total Estimated Cost \$1.78 mil	

If Project is Complete or Under Construction, Area or Construction Engineer affirms that all Special Provisions, Plan Notes and During Construction Commitments were or are being adhered to during the project's construction.  
Please Print Name and Title: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Please provide an explanation if unable to sign.

Estimated Costs are for planning, purpose only, in current dollars as of date updated.



**PROJ. NO.:** CSBRG-0007-00(040)

**P.I. NO.** 0007040

**DATE:** 10/27/2011

**Base Construction Cost**

\$ 5,777,764.01

**E & I**

5% \$ 288,888.20

**Construction Contingency**

\$ -

**Subtotal Construction Cost**

\$ 6,066,652.21

**Liquid AC Adjustment (50 % cap)**

\$ 59,430.06

**Total Construction Cost**

\$ 6,126,082.27

PROJ. NO.  
P.I. NO.  
DATE

CSBRG-0007-00(040)  
0007040  
10/27/2011

CALL NO.

INDEX (TYPE)  
REG. UNLEADED  
DIESEL  
LIQUID AC

DATE	INDEX
Oct-11	\$ 3.258
	\$ 3.769
	\$ 563.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

#### LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)				58354.95	\$	58,354.95
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80		
Monthly Asphalt Cement Price month project let (APL)			\$	563.00		
Total Monthly Tonnage of asphalt cement (TMT)				172.75		

ASPHALT	Tons	%AC	AC ton
Leveling	500	5.0%	25
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	635	5.0%	31.75
25 mm SP	1400	5.0%	70
19 mm SP	920	5.0%	46
	3455		172.75

#### BITUMINOUS TACK COAT

Price Adjustment (PA)				\$ 1,075.11	\$	1,075.11
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80		
Monthly Asphalt Cement Price month project let (APL)			\$	563.00		
Total Monthly Tonnage of asphalt cement (TMT)				3.182669783		

Bitum Tack

Gals	gals/ton	tons
741	232.8234	3.18266978

#### BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				0	\$	
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80		
Monthly Asphalt Cement Price month project let (APL)			\$	563.00		
Total Monthly Tonnage of asphalt cement (TMT)				0		

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

#### TOTAL LIQUID AC ADJUSTMENT

\$ 59,430.06



**DETAILED COST ESTIMATE****Job: 0007040 AS ALTA**

JOB NUMBER: 0007040\_AS\_ALTA

FED/STATE PROJECT NUMBER CSBRG-0007-00(167)

SPEC YEAR: 01

DESCRIPTION: BRIDGE REPLACEMENT ON SR 43 OVER LITTLE RIVER

**ITEMS FOR JOB 0007040 AS ALTA****ROADWAY**

0005	150-1000	1.000	LS	\$34,900.00	TRAFFIC CONTROL - CSBRG-0007-00(040)	\$34,900.00
0295	153-1300	1.000	EA	\$73,917.41	FIELD ENGINEERS OFFICE TP 3	\$73,917.41
0010	201-1000	1.000	LS	\$221,100.00	CLEAR & GRUB - LUMP SUM	\$221,100.00
0015	208-0100	85049.000	CY	\$9.62	IN PLACE EMBANKMENT	\$818,171.38
0265	208-0500	98608.000	TN	\$15.65	ROCK EMBANKMENT	\$1,543,216.20
0045	310-1101	3730.000	TN	\$20.17	GR AGGR BASE CRS, INCL MATL	\$75,224.25
0025	318-3000	500.000	TN	\$20.04	AGGR SURF CRS	\$10,020.95
0055	402-1812	500.000	TN	\$84.32	RECYL AC LEVELING, INC BM&HL	\$42,181.10
0030	402-3103	635.000	TN	\$84.00	REC AC 9.5 MM SP, TPI, GP2 INCL BM & HL	\$53,340.00
0040	402-3121	1400.000	TN	\$73.57	RECYL AC 25MM SP, GP1/2, BM&HL	\$102,998.04
0035	402-3190	920.000	TN	\$78.41	RECYL AC 19 MM SP GP 1 OR 2, INC BM&HL	\$72,134.67
0050	413-1000	741.000	GL	\$3.88	BITUM TACK COAT	\$2,881.10
0065	433-1200	267.000	SY	\$129.69	REF CONC APPR SLA SLOPED EDGE	\$34,627.78
0070	441-0301	4.000	EA	\$1,881.27	CONC SPILLWAY, TP 1	\$7,445.08
0060	446-1100	500.000	LF	\$5.00	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$2,600.00
0095	540-1102	1.000	LS	\$250,000.00	REM OF EX BR, BR NO - BRIDGE NO 1	\$250,000.00
0100	543-9000	1.000	LS	\$1,819,200.00	CONSTR OF BRIDGE COMPLETE - CSBRG-0007-00(040)	\$1,819,200.00
0270	603-2024	6840.000	SY	\$47.97	STN DUMPED RIP RAP, TP 1, 24"	\$328,124.38
0275	603-7000	6840.000	SY	\$3.30	PLASTIC FILTER FABRIC	\$22,549.22
0260	634-1200	9.000	EA	\$115.00	RIGHT OF WAY MARKERS	\$1,035.00
0080	641-1100	84.000	LF	\$65.85	GUARDRAIL TP T	\$5,531.75
0075	641-1200	1000.000	LF	\$15.46	GUARDRAIL TP W	\$15,459.31
0085	641-5001	2.000	EA	\$584.74	GUARDRAIL ANCHORAGE, TP 1	\$1,129.47
0090	641-5012	2.000	EA	\$1,782.83	GUARDRAIL ANCHORAGE, TP 12	\$3,565.67
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$8,341,209.72</b>

**SIGNING / MARKING**

0175	638-1020	83.000	SF	\$17.00	HWY SGN, TP1 MAT, REFL SH TP3	\$1,071.00
0180	638-2070	98.000	LF	\$8.00	GALV STEEL POSTS, TP 7	\$784.00
0155	652-5451	5122.000	LF	\$0.25	SOLID TRAF STRIPE, 5 IN WHITE	\$1,280.50
0160	652-5452	5122.000	LF	\$0.25	SOLID TRAF STRIPE, 5 IN, YELLO	\$1,280.50
0185	654-1001	80.000	EA	\$3.00	RAISED PVMT MARKERS TP 1	\$240.00
0165	657-1085	878.000	LF	\$6.00	PRF PL SD PVT MKG 8" B/W TP PB	\$5,268.00
0170	657-6085	878.000	LF	\$6.00	PRF PL SD PVMT MKG, 8" B/W, TPPB	\$5,268.00
<b>SUBTOTAL FOR SIGNING / MARKING:</b>						<b>\$15,192.00</b>

**PERMANENT EROSION CONTROL**

0190	700-6910	12.000	AC	\$1,000.00	PERMANENT GRASSING	\$12,000.00
0195	700-7000	36.000	TN	\$65.00	AGRICULTURAL LIME	\$2,340.00
0200	700-7010	30.000	GL	\$21.00	LIQUID LIME	\$630.00
0205	700-8000	15.000	TN	\$450.00	FERTILIZER MIXED GRADE	\$6,750.00
0210	700-8100	1000.000	LB	\$2.30	FERTILIZER NITROGEN CONTENT	\$2,300.00
0280	716-2000	10000.000	SY	\$1.24	EROSION CONTROL MATS SLOPES	\$12,400.00
<b>SUBTOTAL FOR PERMANENT EROSION CONTROL:</b>						<b>\$18,420.00</b>

**DETAILED COST ESTIMATE****Job: 0007040\_AS\_ALTA**

TEMPORARY EROSION CONTROL						
0220	163-0232	36 000	AC	\$500 00	TEMPORARY GRASSING	\$21 600 00
0215	163-0240	216 000	TN	\$250 00	MULCH	\$54 000 00
0225	163-0300	4 000	EA	\$1,200.00	CONSTRUCTION EXIT	\$4 800 00
0230	163-0520	3000 000	LF	\$15 00	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$45 000 00
0235	163-0527	60 000	EA	\$216.15	CNST/REM RIP RAP CKDM, STN P RIPRAP/SN BG	\$17 292.29
0240	165-0030	3750 000	LF	\$1 00	MAINT OF TEMP SILT FENCE, TP C	\$3,750 00
0245	165-0041	60 000	LF	\$2 60	MAINT OF CHECK DAMS - ALL TYPES	\$200 00
0250	165-0101	4 000	EA	\$700 00	MAINT OF CONST EXIT	\$2,800 00
0285	167-1000	2 000	EA	\$500 00	WATER QUALITY MONITORING AND SAMPLING	\$1 000 00
0290	167-1500	24 000	MO	\$500 00	WATER QUALITY INSPECTIONS	\$12,000 00
0255	171-0030	7500 000	LF	\$3 00	TEMPORARY SILT FENCE, TYPE C	\$22,500 00
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$184,942.29

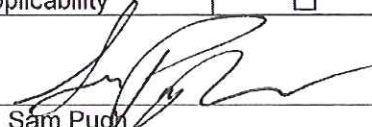
**TOTALS FOR JOB 0007040\_AS\_ALTA**

ITEMS COST:	\$5,777,764.01
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$5,777,764.01
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$5,777,764.01

E. Permits/Variances/ Commitments Required	Yes	No	See Attachment
1. U.S. Coast Guard Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Forest Service/Corps Land	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. CWA Section 404 Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1, 3
4. Tennessee Valley Authority Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Buffer Variance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1, 3
6. Coastal Zone Management Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. NPDES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
8. Cemetery Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Other Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Other Commitments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Green Sheet

F. Section 4(f) Applicability	Yes	No	See Attachment
1. De Minimis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1, 2
2. Programmatic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Individual	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Section 6(f) Applicability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	


Prepared By:

  
 Sam Pugh  
 NEPA Planner  
 Georgia Department of Transportation

Date

11/5/12

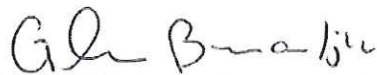
Reviewed By:

  
 Michael Hester  
 NEPA Team Leader  
 Georgia Department of Transportation

Date

11/5/12

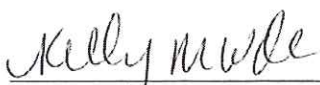
Concurred By:

  
 Glenn Bowman, P.E.  
 State Environmental Administrator  
 Georgia Department of Transportation

Date

11/6/12

Approved By:

  
 for Rodney N. Barry, P.E.  
 Division Administrator  
 Federal Highway Administration

Date

11/25/12

Attachments appear in the following order:

1. Effects Evaluation
2. Correspondence
3. Report Coordination
4. Public Information Open House Materials

Signature  
 Page from  
 approved C.E.